

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 13235-014001	Application No.
	Applicant Mack et al.,			
	Filing Date		Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AC	Abi-Younes et al. 2001. The cc chemokines mdc and tarc induce platelet activation via ccr4. Thromb Res 101:279-289.
	AD	Agusti et al. 1998. Goblet cell degranulation after antigen challenge in sensitized guinea pigs. Role of neutrophils. Am J Respir Crit Care Med 158:1253-1258.
	AE	Akimoto et al. 1998. Abrogation of bronchial eosinophilic inflammation and airway hyperreactivity in signal transducers and activators of transcription (STAT)6-deficient mice. J Exp Med 187:1537-1542.
	AF	Alam et al. 1996. Increased MCP-1, RANTES, and MIP-1alpha in bronchoalveolar lavage fluid of allergic asthmatic patients. Am J Respir Crit Care Med 153:1398-1404.
	AG	Alam et al. 1993. RANTES is a chemotactic and activating factor for human eosinophils. J Immunol 150:3442-3448.
	AH	Baggiolini and Dahinden. 1994. CC chemokines in allergic inflammation. Immunol Today 15:127-133.
	AI	Beck et al. 1997. Cutaneous injection of RANTES causes eosinophil recruitment: comparison of nonallergic and allergic human subjects. J Immunol 159:2962-2972.
	AJ	Berkman et al. 1996. Expression of RANTES mRNA and protein in airways of patients with mild asthma. Am J Respir Crit Care Med 154:1804-1811.
	AK	Bertrand and Ponath. 2000. CCR3 Blockade as a New Therapy for Asthma. Exp. Opin. Invest. Drugs 9:43-52.
	AL	Blease et al. 2000. Airway remodeling is absent in CCR1-/- mice during chronic fungal allergic airway disease. J Immunol 165:1564-1572.
	AM	Blease et al. 2001. Antifungal and airway remodeling roles for murine monocyte chemoattractant protein-1/CCL2 during pulmonary exposure to Asperigillus fumigatus conidia. J Immunol 166:1832-1842.

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	AN	Blease et al. 2001. IL-13 fusion cytotoxin ameliorates chronic fungal-induced allergic airway disease in mice. J Immunol 167:6583-6592.
	AO	Blease et al. 2002. Stat6-deficient mice develop airway hyperresponsiveness and peribronchial fibrosis during chronic fungal asthma. Am J Pathol 160:481-490.
	AP	Blease et al. 2000. Chemokines and their role in airway hyper-reactivity. Respir Res 1(1):54-61
	AQ	Blyth et al. 1998. Induction, duration, and resolution of airway goblet cell hyperplasia in a murine model of atopic asthma: effect of concurrent infection with respiratory syncytial virus and response to dexamethasone. Am J Respir Cell Mol Biol 19:38-54.
	AR	Boyce 1997. The pathobiology of eosinophilic inflammation. Allergy Asthma Proc 18:293-300.
	AS	Braciak et al. 1996. Overexpression of RANTES using a recombinant adenovirus vector induces the tissue-directed recruitment of monocytes to the lung. J Immunol 157:5076-5084.
	AT	Bruhl et al. 2001. Depletion of CCR5-expressing cells with bispecific antibodies and chemokine toxins: a new strategy in the treatment of chronic inflammatory diseases and HIV. J Immunol 166:2420-2426.
	AU	Chensue et al. 2001. Aberrant in vivo T helper type 2 cell response and impaired eosinophil recruitment in CC chemokine receptor 8 knockout mice. J Exp Med 193:573-584.
	AV	Chihara et al. 1997. Expression of mRNA for RANTES in human eosinophils. Int Arch Allergy Immunol 114 Suppl 1:33-35.
	AW	Chihara et al. 1994. RANTES augments radical oxygen products from eosinophils. Int Arch Allergy Immunol 104 Suppl 1:52-53.
	AX	Conti et al. 1998. Will MCP-1 and RANTES take center stage in inflammatory diseases including asthma? Allergy Asthma Proc 19:121-123.
	AY	Conti et al. 2001. MCP-1 and RANTES Are Mediators of Acute and Chronic Inflammation. Allergy and Asthma Proc 22(3);133-137
	AZ	Evanoff et al. 1992. A sensitive ELISA for the detection of human monocyte chemoattractant protein-1 (MCP-1). Immunol. Invest. 21:39-49.
	AAA	Fischer et al. 2001. RANTES-induced chemokine cascade in dendritic cells. J Immunol 167:1637-1643.
	ABB	Folkard et al. 1997. Production of interleukin-8, RANTES and MCP-1 in intrinsic and extrinsic asthmatics. Eur Respir J 10:2097-2104.

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	ACC	Fryer et al. 2000. The -403 G-->A promoter polymorphism in the RANTES gene is associated with atopy and asthma. Genes Immun 1:509-514.
	ADD	Godiska et al. 1997. Human macrophage-derived chemokine (MDC), a novel chemoattractant for monocytes, monocyte-derived dendritic cells, and natural killer cells. J Exp Med 185:1595-1604.
	AEE	Gonzalo et al. 1996. Eosinophil recruitment to the lung in a murine model of allergic inflammation. The role of T cells, chemokines, and adhesion receptors. J Clin Invest 98:2332-2345.
	AFF	Gonzalo et al. 1999. Mouse monocyte-derived chemokine is involved in airway hyperreactivity and lung inflammation. J Immunol 163:403-411.
	AGG	Gonzalo et al. 1998. The coordinated action of CC chemokines in the lung orchestrates allergic inflammation and airway hyperresponsiveness. J Exp Med 188:157-167.
	AHH	Graziano et al. 1999. Cytokines, chemokines, RANTES, and eotaxin. Allergy Asthma Proc 20:141-146.
	AII	Hiura et al. 1999. Activation of the human RANTES gene promoter in a macrophage cell line by lipopolysaccharide is dependent on stress-activated protein kinases and the IkappaB kinase cascade: implications for exacerbation of allergic inflammation by environmental pollutants. Clin Immunol 90:287-301.
	AJJ	Hogaboam et al. 2000. Chronic airway hyperreactivity, goblet cell hyperplasia, and peribronchial fibrosis during allergic airway disease induced by Aspergillus fumigatus. Am. J. Pathol. 156:723-732.
	AKK	Hogaboam et al. 1999. Immunomodulatory role of C10 chemokine in a murine model of allergic bronchopulmonary aspergillosis. J Immunol 162:6071-6079.
	ALL	Hogan et al. 1997. Aeroallergen-induced eosinophilic inflammation, lung damage, and airways hyperreactivity in mice can occur independently of IL-4 and allergen-specific immunoglobulins. J Clin Invest 99:1329-1339.
	AMM	Holgate et al. 1997. Release of RANTES, MIP-1 alpha, and MCP-1 into asthmatic airways following endobronchial allergen challenge. Am J Respir Crit Care Med 156:1377-1383.
	ANN	Humbert et al. 1997. Bronchial mucosal expression of the genes encoding chemokines RANTES and MCP-3 in symptomatic atopic and nonatopic asthmatics: relationship to the eosinophil-active cytokines interleukin (IL)-5, granulocyte macrophage-colony-stimulating factor, and IL-3. Am J Respir Cell Mol Biol 16:1-8.

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	AOO	Imai et al.. 1998. Macrophage-derived chemokine is a functional ligand for the CC chemokine receptor 4. J Biol Chem 273:1764-1768.
	APP	Imai et al. 1999. Selective recruitment of CCR4-bearing Th2 cells toward antigen-presenting cells by the CC chemokines thymus and activation-regulated chemokine and macrophage-derived chemokine. Int Immunol 11:81-88.
	AQQ	Inngjerdigen et al. 2000. Human NK cells express CC chemokine receptors 4 and 8 and respond to thymus and activation-regulated chemokine, macrophage-derived chemokine, and I-309. J Immunol 164:4048-4054.
	ARR	Kawasaki et al. 2001. Intervention of thymus and activation-regulated chemokine attenuates the development of allergic airway inflammation and hyperresponsiveness in mice. J Immunol 166:2055-2062.
	ASS	Kimata et al. 1996. RANTES and macrophage inflammatory protein 1 alpha selectively enhance immunoglobulin (IgE) and IgG4 production by human B cells. J Exp Med 183:2397-2402.
	ATT	Kuna et al. 1998. RANTES induces nasal mucosal inflammation rich in eosinophils, basophils, and lymphocytes in vivo. Am J Respir Crit Care Med 157:873-879.
	AUU	Kurup et al. 1999. Aspergillus fumigatus antigen exposure results in pulmonary airway resistance in wild-type but not in IL-4 knockout mice. Clin Immunol 90:404-410.
	AVV	Kurup et al. 1994. IgE and eosinophil regulation in a murine model of allergic aspergillosis. J Leukoc Biol 56:593-598.
	AWW	Lampinen et al. 1999. The role of interleukin-5, interleukin-8 and RANTES in the chemotactic attraction of eosinophils to the allergic lung. Clin Exp Allergy 29:314-322.
	AXX	Lukacs et al. 1996. C-C chemokine-induced eosinophil chemotaxis during allergic airway inflammation. J Leukoc Biol 60:573-578.
	AYY	Lukacs et al. 1997. Differential recruitment of leukocyte populations and alteration of airway hyperreactivity by C-C family chemokines in allergic airway inflammation. J Immunol 158:4398-4404.
	AZZ	Maune et al. 1997. Fibroblasts obtained from human nasal, laryngeal and tracheal mucosa produce the chemokine RANTES. Otolaryngol Pol 51:3-10.
	AAAA	McKenzie et al. 1998. A distinct role for interleukin-13 in Th2-cell-mediated immune responses. Curr Biol 8:339-342.

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	ABBB	Mule et al. 1996. RANTES secretion by gene-modified tumor cells results in loss of tumorigenicity in vivo: role of immune cell subpopulations. Hum Gene Ther 7:1545-1553.
	ACCC	Nogami et al. 2000. Neutrophil elastase inhibitor, ONO-5046 suppresses ozone-induced airway mucus hypersecretion in guinea pigs. Eur J Pharmacol 390:197-202.
	ADDD	Nomiyama et al. 1998. Human chemokines fractalkine (SCYD1), MDC (SCYA22) and TARC (SCYA17) are clustered on chromosome 16q13. Cytogenet Cell Genet 81:10-11.
	AEEE	Owen 2001. Chemokine receptors in airway disease: which receptors to target? Pulm Pharmacol Ther 14:193-202.
	AFFF	Panina-Bordignon et al. 2001. The C-C chemokine receptors CCR4 and CCR8 identify airway T cells of allergen-challenged atopic asthmatics. J Clin Invest 107:1357-1364.
	AGGG	Plater-Zyberk et al. 1997. Effect of a CC chemokine receptor antagonist on collagen induced arthritis in DBA/1 mice. Immunol Lett 57:117-120.
	AHHH	Powell et al. 1996. Increased expression of mRNA encoding RANTES and MCP-3 in the bronchial mucosa in atopic asthma. Eur Respir J 9:2454-2460.
	AIII	Propst et al. 2000. Proinflammatory and Th2-derived cytokines modulate CD40-mediated expression of inflammatory mediators in airway epithelia: implications for the role of epithelial CD40 in airway inflammation. J Immunol 165:2214-2221.
	AJJJ	Pype et al. 1999. Expression of monocyte chemotactic protein (MCP)-1, MCP-2, and MCP-3 by human airway smooth-muscle cells. Modulation by corticosteroids and T-helper 2 cytokines. Am J Respir Cell Mol Biol 21:528-536.
	AKKK	Raport et al. 1996. Molecular cloning and functional characterization of a novel human CC chemokine receptor (CCR5) for RANTES, MIP-1beta, and MIP-1alpha. J Biol Chem 271:17161-17166.
	ALLL	Romagnani. 2001. Cytokines and chemoattractants in allergic inflammation. Molec Immun 38:881-885
	AMMM	Sato et al. 1999. Effects of reactive oxygen and nitrogen metabolites on RANTES- and IL-5- induced eosinophil chemotactic activity in vitro. Am J Pathol 155:591-598.
	ANNN	Schall et al. 1988. A human T cell-specific molecule is a member of a new gene family. J Immunol 141:1018-1025.
	AOOO	Schall et al. 1990. Selective attraction of monocytes and T lymphocytes of the memory phenotype by cytokine RANTES. Nature 347:669-671.

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	APPP	Schuh et al. 2002. The role of CC chemokine receptor 5 (CCR5) and RANTES/CCL5 during chronic fungal asthma in mice. Faseb J 16:228-230.
	AQQQ	Shimizu et al. 1996. Hypertrophic and metaplastic changes of goblet cells in rat nasal epithelium induced by endotoxin. Am J Respir Crit Care Med 153:1412-1418.
	ARRR	Stellato et al. 1995. Expression of the chemokine RANTES by a human bronchial epithelial cell line. Modulation by cytokines and glucocorticoids. J Immunol 155:410-418.
	ASSS	Teixeira et al. 1997. Chemokine-induced eosinophil recruitment. Evidence of a role for endogenous eotaxin in an in vivo allergy model in mouse skin. J Clin Invest 100:1657-1666.
	ATTT	Teran et al. 1999. Th1- and Th2-type cytokines regulate the expression and production of eotaxin and RANTES by human lung fibroblasts. Am J Respir Cell Mol Biol 20:777-786.
	AUUU	Tillie-Leblond et al. 2000. CC chemokines and interleukin-5 in bronchial lavage fluid from patients with status asthmaticus. Potential implication in eosinophil recruitment. Am J Respir Crit Care Med 162:586-592.
	AVVV	Tonnel et al. 2001. Characteristics of the Inflammatory Response in Bronchial Lavage Fluids from Patients with Status asthmaticus. Int Arch Allergy Immunol 124:267-271.
	AWWW	Umetsu and DeKruyff. 1997. Th1 and Th2 CD4+ cells in the pathogenesis of allergic diseases. Proc Soc Exp Biol Med 215:11-20.
	AXXX	Venge et al. 1996. Identification of IL-5 and RANTES as the major eosinophil chemoattractants in the asthmatic lung. J Allergy Clin Immunol 97:1110-1115.
	AYYY	Wells and Proudfoot. 1999. Chemokine receptors and their antagonists in allergic lung disease. Inflamm Res 48:353-362.
	AZZZ	Wong et al. 1998. RANTES and MIP-1alpha activate stats in T cells. J Biol Chem 273:309-314.
	AAAAA	Zhang et al. 1994. RANTES: a novel mediator of allergic inflammation? Clin Exp Allergy 24:899-904.
	ABBBB	Zhou et al. 2001. Th2 cytokines and asthma Interleukin-9 as a therapeutic target for asthma. Respir Res 2:80-84
	ACCCC	English translation of PCT/EP00/02154 based on DE-19910891.9; April 5, 2001

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